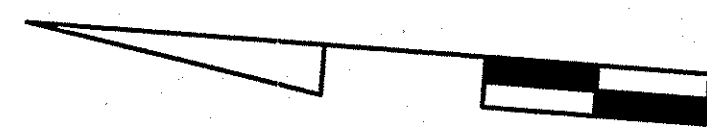


DRILL HOLES

DRILL HOLES

DRILL HOLES

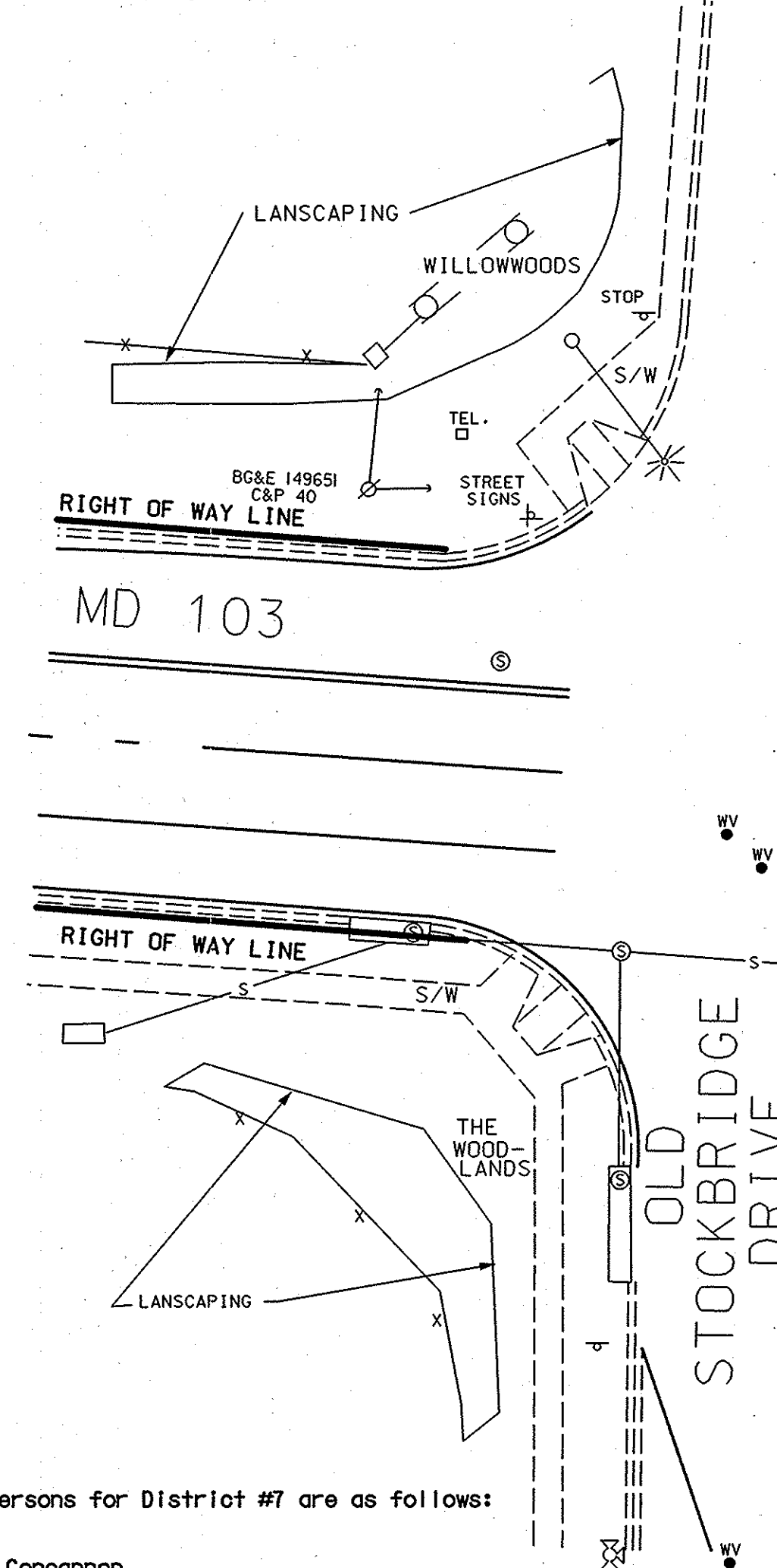
BORDER REV. DATE: June 1, 2004



NOTE: MD 103 IS CONSIDERED TO  
RUN IN AN NORTH-SOUTH DIRECTION.

### CONSTRUCTION DETAILS

- Install 14' breakaway pedestal pole, LED signal heads, signs and cabinet with controller.  
(Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.), and 1-2", 90° polyvinyl chloride (Schedule 80) bend).
- Install handhole.
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored), for Power Service by BGE.
- Install metered pedestal for underground electrical service.
- Remove ground mount signs and post.
- Install 2" polyvinyl chloride electrical conduit (Schedule 80) (bored).



The contact persons for District #7 are as follows:

Mr. John Concannon  
Assistant District Engineer - Traffic  
Phone: (310) 624-8141

Mr. Ray Johnson  
Assistant District Engineer - Maintenance  
Phone: (310) 624-8106

Ms Andrea Abend  
District Engineer - Utility  
Phone: (301) 624-8110

Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

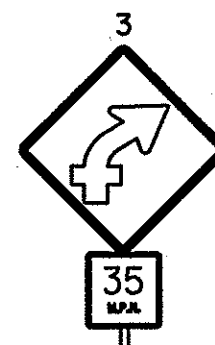
Mr. Ed Rodenhizer  
Signal Shop  
410-787-7652

Mr. Sonny Bailey  
Sign Shop  
410-787-7670

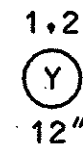
The power company representative is:

Mr. Steve Schneider  
Baltimore Gas and Electric  
7317 Parkway Drive South  
Hanover, MD 21076  
410-859-9310

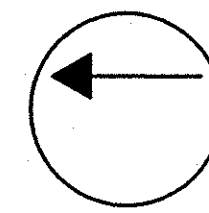
### PROPOSED SIGNS



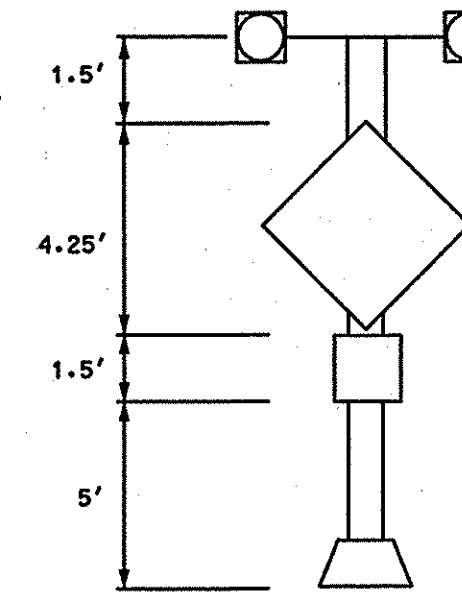
### PROPOSED SIGNALS



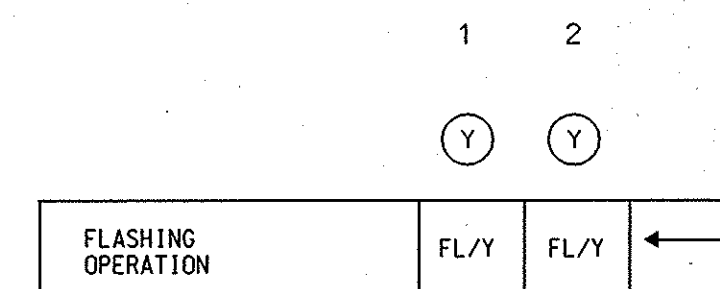
### NEMA PHASING



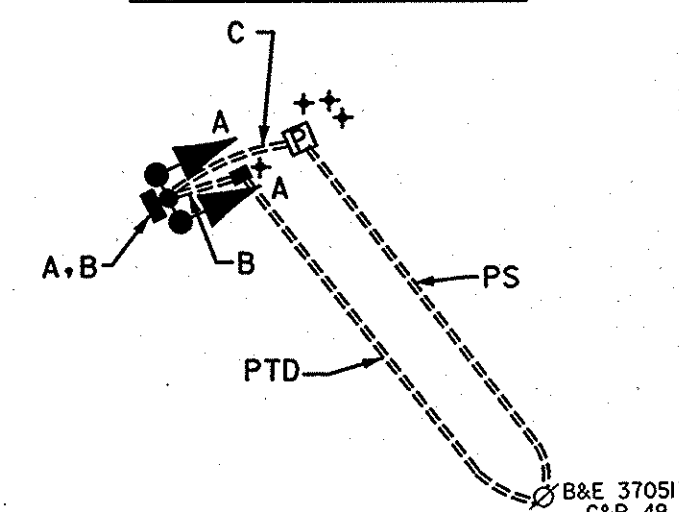
### PROPOSED STRUCTURE



### PHASE CHART



### WIRING DIAGRAM



### WIRING KEY

- A - 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- B - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- C - 3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
- PS - PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY BGE
- PTD - PROPOSED TELEPHONE DROP
- + - GROUND ROD

### PROJECT DESCRIPTION

#### I. GENERAL

This project involves the installation of a new Hazard Identification Beacon (HIB) along northbound MD 103 prior to its intersection with Old Stockbridge Road / Wesley Avenue. The HIB shall be used to warn drivers of a sharp curve on northbound MD 103 prior to Wesley Avenue. MD 103 is assumed to run in a north-south direction.

#### II. INTERSECTION OPERATION

- The Hazard Identification Beacon shall flash continuously.
- A 2-circuit pole mounted flasher cabinet shall be installed at this location.

#### III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

### EQUIPMENT LIST

#### A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

ITEM NO.	DESCRIPTION	QUANTITY
9012	2-circuit flasher unit	1 EA
9037	Cabinet "G" type - pole mount	1 EA
9571	Sheet aluminum signs to consist of: (pole mount)	12 SF
	W1-2(R) MOD "Curve Ahead (Symbolic)" sign, (36"x36") (B/FY)	1 EA
	W13-1 "Advisory Speed" sign, (18" x 18")	1 EA

#### B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
2002	Test Pit Excavation	2 C.Y.
8001	12" LED signal head section.	2 EA
8009	Breakaway pedestal pole (14')	1 EA
8035	Schedule 80 rigid PVC conduit up tp 4" - trenched.	45 L.F.
8036	Schedule 80 rigid PVC conduit up tp 4" - bored.	90 L.F.
8039	Install overhead mounted sign.	12 SF
8041	No. 6 AWG stranded bare copper ground wire.	20 L.F.
8043	Metered service pedestal embedded.	1 EA
8045	Electrical cable 1-conductor No. 4 AWG THHN/THWN.	60 L.F.
8055	Electrical cable - 3 conductor (No. 14 AWG).	30 L.F.
8064	Install controller and cabinet pole mount.	1 EA
Neg.	Connector Kit - Type I	2 EA

#### C. EQUIPMENT TO BE REMOVED

Any materials to be removed shall become property of the contractor.

### GEOMETRIC LEGEND

#### PROPOSED

#### EXISTING

### LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

#### AERIAL CABLE

#### ELECTRIC

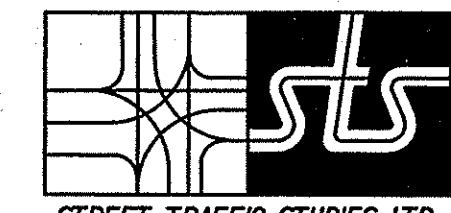
#### TELEPHONE

#### GAS

#### SEWER

#### WATER

#### CABLE TV



400 Crain Hwy. NW  
Glen Burnie, MD 21061  
Ph (410) 590-5500  
Fax (410) 590-6637

5011.dgn

D6-69

### APPROVALS

DESIGNED BY: *James Allen Jr.* 3/15/06  
DRAWN BY: *D.A. Nies* 3/15/06  
CHECKED BY: *Ed Rodenhizer* 3/15/06  
F.A.P. NO.: *Wesley Road 3/15/06*  
DIVISION CHIEF: *Wesley Road 3/15/06*  
OFFICE DIRECTOR: *Wesley Road 3/15/06*

### REVISIONS



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

MD 103 AND OLD STOCKBRIDGE ROAD/  
WESLEY LANE  
COLUMBIA, MARYLAND

SCALE: 1" = 20' DATE: 2-24-06 CONTRACT NO. AT7835185

DESIGNED BY: JAMES ALLEN JR. COUNTY: HOWARD

DRAWN BY: D.A. NIES LOGMILE: 13010302.59

CHECKED BY: F.A.P. NO. TMS NO. H081

TS NO. 4471 DRAWING NO. 1 OF 1 SHEET NO. OF

PLOTTED: #DATE#  
FILE: #FILE#